

A DOCPHOENIX

INCOMING

_____**ACPA**_____
Continuing Prosecution Application

_____**AP.B**_____
Appeal Brief

_____**C680**_____
Request for Corrected Notice/Allowance

_____**C.AD**_____
Change of Address

_____**CFILE**_____
Request for Corrected Filing Receipt

_____**COCIN**_____
Papers filed re Certificate of Corrections

_____**CRFD**_____
Computer Readable Form Defective

_____**CRFE**_____
Computer Readable Form 'ENTERED'

_____**EABN**_____
Request for Express Abandonment

_____**ELC.**_____
Response to Election/Restriction

_____**IFEE**_____
Issue Fee Transmittal PTOL 85 B

_____**IRFND**_____
Refund Request

_____**L_RIN**_____
Any Incoming to L&R

_____**N417**_____
Copy of EFS Receipt Acknowledgement

_____**N/AP**_____
Notice of Appeal

_____**PA..**_____
Change in Power of Attorney

_____**PC/I**_____
Power to Make Copies or to Inspect

_____**PEF.**_____
Pre-Exam Formalities Response

_____**PEFRREISS**_____
Pre-Exam Formalities Reissue Response

_____**PEFRSEQ**_____
Pre-Exam Formalities Sequence Reply

INCOMING

_____**LET.**_____
Misc. Incoming Letter

_____**IMIS**_____
Miscellaneous Internal Document

_____**PGEA**_____
Req Express Aband to avoid Publication

_____**PGA9**_____
Req for Corrected Pat App Publication

_____**PGREF**_____
Req for Refund of Publication Fee Paid

_____**PROTEST**_____
Protest Documents Filed by 3rd Party

_____**PROTRANS**_____
Translation of Provisional in Nonprovisional

25.07.03 **REM 11**
Applicant Remarks in Amendment

_____**RESC**_____
Rescind Non-Publication Request

_____**RETMAIL.**_____
Mailed Returned by Post Office

_____**XT/I**_____
Extension of Time filed separate

APPL PARTS

_____**371P**_____
PCT Papers in a 371 Application

_____**A...**_____
Amendment Including Elections

_____**A.NE**_____
After Final Amendment

_____**A.PE**_____
Preliminary Amendment

_____**ABST**_____
Abstract

_____**ADS**_____
Application Data Sheet

_____**AF/D**_____
Affidavit or Exhibit Received

_____**APPENDIX**_____
Appendix

APPL PARTS

_____**ARTIFACT**_____
Artifact

_____**CLM**_____
Claim

_____**COMPUTER**_____
Computer Program Listing

_____**CRFL**_____
CRF Transfer Request

_____**CRFS**_____
Computer Readable Form Statement

_____**DIST**_____
Terminal Disclaimer Filed

_____**DRW**_____
Drawings

_____**FOR**_____
Foreign Reference

_____**FRPR**_____
Foreign Priority Papers

_____**IDS**_____
IDS Including 1449

_____**NPL**_____
Non-Patent Literature

_____**OATH**_____
Oath or Declaration

_____**PET.**_____
Petition

_____**PGPUB DRAWINGS**_____
Box PG Pub Drawings

_____**SEQLIST**_____
Sequence Listing

_____**SPEC**_____
Specification

_____**SPEC NO**_____
Specification Not in English

AMENDMENTS TO THE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE

Amend the following paragraph(s):

[0003] -- As disclosed in DE 42 06 092 C1, a particularly low intermodulation can be achieved by soldering the end section of a connector housing to the outer conductor of the coaxial cable. For soldering, the end section of the connector housing is positioned on the end of the outer conductor of the cable and heated, for example, by ~~a pair of pliers~~ heated tongs surrounding the end section of the connector housing or through induction. The solder in the form of a solder wire is supplied manually through bores in the end section of the connector housing into the gap between the inner wall of the recess of the end section of the connector housing and the outer conductor of the cable. This installation method for the connector on the cable requires special tools and considerable experience and can only be successfully done in the factory with cables having a maximum diameter of 13 mm (1/2"). This makes it almost impossible to attain a connection with a low intermodulation by mechanically contacting and clamping at least the outer conductor of the cable in the field, i.e., during installation by the user and at the installation site. -- .

[0054] --As also shown in FIGS. 6a and 6b, the sleeve 31 has a chamfer 31a disposed on its front edge facing the plug. The molten solder enters the chamfer through a capillary gap that is formed between the annular

grooves 23a with the solder wire ring 23 (see Fig. 6a) and the chamfer 31a. The installer has then the opportunity to visually monitor the progress and result of the solder operation. --

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER INDENTIFIERS**

1. (Previously amended) A coaxial connector adapted to be soldered to a coaxial cable, comprising:
 - a connector header housing with a recess having a wall with slots so as to be elastic in a radial direction, the recess adapted to receive, contact and clamp an end portion of an outer conductor of the coaxial cable,
 - an inner conductor of the connector for contacting an inner conductor of the coaxial cable, and
 - a solder reservoir with solder disposed on an inside surface of the wall of the recess at least in a region of the wall of the recess corresponding to a prescribed position of a front edge of the end portion of the outer conductor of the coaxial cable,
 - wherein an inside diameter of the recess is equal to a smallest outside diameter of the outer conductor of the coaxial cable.

Claims 2 and 3 (Canceled)

4. (Previously amended) The connector of claim 1, wherein at least a first section of the wall of the recess where the end portion of the outer conductor of the coaxial cable is received, has a reduced wall thickness as compared to a remaining section of the wall of the recess.

5. (Currently Amended) The connector of claim 1, wherein the solder reservoir is arranged as a circumferential groove disposed in the wall of the recess.
6. (Previously amended) A coaxial connector adapted to be soldered to a coaxial cable, comprising:
 - a connector head housing with a recess having a wall with slots so as to be elastic in a radial direction, the recess adapted to receive an end portion of an outer conductor of the coaxial cable, and having an inside diameter that is equal to a smallest outside diameter of the outer conductor of the coaxial cable,
 - an inner conductor of the connector for contacting an inner conductor of the coaxial cable,wherein the wall of the recess includes openings distributed about a circumference of the wall of the recess for visually monitoring a soldering operation between the coaxial connector and the coaxial cable.
7. (Currently amended) The connector of claim 1, wherein a width of the slots is selected so that capillary action causes the solder to flow from the solder reservoir into the slots independent of an orientation of the coaxial connector.

8. (Previously amended) The connector of claim 1, wherein at least one additional solder reservoir is arranged on an outside surface of the wall of the recess and at a height of the slots.
9. (Previously amended) The connector of claim 1, wherein at least a portion of a length of the slots is surrounded by a sleeve adapted to be soldered to the wall of the recess.
10. (Previously amended) The connector of claim 9, wherein the sleeve is pressed on the connector header housing in a predefined position so as to cover the slots in the wall of the recess at least over a portion of the length of the slots.
11. (Previously amended) The connector of claim 9, wherein a further solder reservoir is disposed in an outside annular shoulder of the wall of the recess and the sleeve contacts the further solder reservoir.
12. (Original) The connector of claim 9, wherein the sleeve is non-positively connected with the connector header housing.
13. (Original) The connector of claim 12, wherein the sleeve is screwed onto the connector header housing.

14. (Original) The connector of claim 9, wherein the sleeve has a ring-shaped inner groove located at least at a height corresponding to a height of end portions of the slots and adapted to receive an additional solder reservoir.
15. (Currently amended) The connector of claim 1, wherein the solder reservoir comprises ~~is formed as~~ a solder foil and disposed on ~~between~~ a surface of the wall of the recess facing the end portion of the outer conductor of the coaxial cable ~~and the end portion of the outer conductor~~.
16. (Previously amended) The connector of claim 1, wherein at least an inside surface of the wall of the recess is wetted with a flux.
17. (Currently amended) The connector of claim 1, wherein at least a region of the wall of the recess that is to be soldered, is silver-plated ~~silvered and/or tinned~~.
18. (Previously amended) The connector of claim 1, wherein the outer conductor of the coaxial cable is helically corrugated, with the wall of the recess being defined by a helical profile that is at least partially complementary to the helically corrugated profile of the outer conductor of the coaxial cable, and wherein the solder reservoir extends over at least a portion of a length of the helical wall profile.

19. (Previously amended) The connector of claim 1, wherein the inner conductor of the connector is adapted to be soldered to the inner conductor of the coaxial cable.
20. (Previously amended) The connector of claim 19, wherein the inner conductor of the connector includes slots so as to be elastically deformable in the radial direction and at least one inner solder reservoir for soldering the inner conductor of the connector to the inner conductor of the coaxial cable.
21. (Currently amended) The connector of claim 20, wherein the at least one inner solder reservoir includes a solder wire ring provided with a flux.
22. (Previously amended) The connector of claim 1, wherein the solder reservoir includes a solder wire ring provided with a flux.
23. (Previously amended) The connector of claim 8, wherein the at least one additional solder reservoir includes a solder wire ring provided with a flux.
24. (Previously amended) The connector of claim 11, wherein the further solder reservoir includes a solder wire ring provided with a flux.

Claim 25 (Canceled)

Docket No.: PITSCHI-8
Appl. No.: 09/825,678

AMENDMENTS TO THE DRAWINGS WITHOUT MARKINGS

IN THE DRAWING:

Figs. 3, 9 and 11 have been amended.

REMARKS

The last Office Action of June 11, 2003 has been carefully considered. Reconsideration of the instant application in view of the foregoing amendments and the following remarks is respectfully requested.

Claims 1, 4-24 are pending in the application. Claims 5, 7, 15, 17, 21 have been amended. No claims have been canceled or added.

It is noted that the disclosure is objected to because of some informalities. It is also noted that the specification is objected to as failing to provide proper antecedent basis for claimed subject matter. It is further noted that the drawings and claims are objected to because of some informalities.

It is noted with appreciation that claims 1, 3, 5, 7-24; 6 are indicated allowable.

OBJECTION TO THE DISCLOSURE AND SPECIFICATION

The disclosure has been amended to clarify certain deficiencies noted by the Examiner. More specifically, applicant has replaced "by a pair of pliers" in paragraph [0003] with --heated tongs--. Paragraph [0054] has been amended, as suggested by the Examiner. These changes are self-explanatory and do not contain any new matter.

With respect to claim 12, applicant notes that the claim 12 recites that "the sleeve is non-positively connected with the connector header housing," which is

described, for example, in paragraph [0018] and [0059] of the specification.

With respect to claims 16 and 21-24, paragraph [0008] describes that “a solder wire including flux agent is disposed on the wall of the recess.” Likewise, paragraph [0026] discloses that “the solder reservoir is made of ring-shaped solder wire including flux.” Applicant submits that “solder wire” provides sufficient antecedent basis for “solder ring.”

Regarding claim 17, paragraph [0022] of the specification discloses that “at least the regions of the wall to be soldered ... can be silver-plated.” Claim 17 has been amended by deleting “and/or tinned.”

Withdrawal of the objection to the disclosure and specification is thus respectfully requested.

OBJECTION TO THE DRAWING

Fig. 3 has been amended by inserting reference numeral “10e” which is referred to in paragraph [0047] of the specification. In Fig. 9, reference numeral “11b” has been changed to “11a”. The reference numeral “10e” has been deleted from Fig. 11. The sheet, which includes Fig. 3-4, replaces the original sheet including Fig. 3-4; the sheet, which includes Fig. 9, replaces the original sheet including Fig. 9; and the sheet, which includes Fig. 11-12, replaces the original sheet including Fig. 11-12.

Withdrawal of all objections is respectfully requested.